

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A laminated zeolite composite; ~~characterized in that it comprises~~comprising:
_____ a MFI membrane ~~being constituted by~~comprising a MFI type zeolite and having a $\text{SiO}_2/\text{Al}_2\text{O}_3$ (molar ratio) of 40 to 100; and
_____ a porous substrate ~~being constituted by~~comprising a MFI type zeolite and having a $\text{SiO}_2/\text{Al}_2\text{O}_3$ (molar ratio) of 20 to 400; and
_____ ~~that~~wherein the MFI membrane is formed on the porous substrate.
2. (Currently Amended) ~~A~~The laminated zeolite composite according to Claim 1, wherein the MFI membrane has a thickness of 25 μm or less.
3. (Currently Amended) ~~A~~The laminated zeolite composite according to Claim 1, wherein the $\text{SiO}_2/\text{Al}_2\text{O}_3$ (molar ratio) of the MFI membrane decreases gradually from a side of the membrane contacting the porous substrate toward other side thereof.
4. (Currently Amended) ~~A~~The laminated zeolite composite according to Claim 1, which is used for separation of butane isomers.
5. (Currently Amended) ~~A~~The laminated zeolite composite according to Claim 1, which is used for separation of propane and propylene.
6. (Withdrawn-Currently Amended) A method for producing a laminated zeolite composite comprising the steps of:
immersing a porous substrate comprising a MFI type zeolite having a
 $\text{SiO}_2/\text{Al}_2\text{O}_3$ (molar ratio) of 20 to 400 in a silica sol-containing sol having a

SiO₂/Al₂O₃ (molar ratio) of 40 to 150 and a Na₂O/Al₂O₃ (molar ratio) of 15 or less for membrane formation; and

_____forming a MFI membrane on the porous substrate under heating conditions;

———~~said method being characterized in that a porous substrate being constituted by a MFI type zeolite and having a SiO₂/Al₂O₃ (molar ratio) of 20 to 400 is immersed in a sol for membrane formation having a SiO₂/Al₂O₃ (molar ratio) of 40 to 150 and a Na₂O/Al₂O₃ (molar ratio) of 15 or less.~~

7. (Withdrawn - Currently Amended) AThe method for producing a laminated zeolite composite according to Claim 6, wherein atthe MFI membrane being constituted bycomprises a MFI type zeolite and having has a SiO₂/Al₂O₃ (molar ratio) of 40 to 100 ~~is formed~~.

8. (Currently Amended) AThe laminated zeolite composite according to Claim 2, wherein the SiO₂/Al₂O₃ (molar ratio) of the MFI membrane decreases gradually from a side of the membrane contacting the porous substrate toward other side thereof.

9. (New) The laminated zeolite composite of Claim 1, wherein said MFI type zeolite of said membrane has a Na₂O/Al₂O₃ (molar ratio) of 15 or less.